

Claire A. CAJACOB *et al.*

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***In the Claims:***

Please amend claim 1 as follows:

1. (Currently Amended) A substantially purified nucleic acid molecule ~~that encodes a maize glutamyl tRNA reductase enzyme or fragment thereof, wherein said nucleic acid molecule comprises~~ a nucleic acid sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, 605 and complements thereof.
10. (Reiterated) The substantially purified nucleic acid molecule according to claim 1, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 90% identity with a sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, 605, and complements thereof.
11. (Reiterated) A substantially purified nucleic acid molecule, comprising a nucleic acid sequence selected from the group consisting of SEQ ID Nos: 586, 590, 594, 596, 597, 599, 600, 601, 604 and 605.
12. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 586.
13. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 590.
14. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 594.
15. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 596.

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16. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 597.
17. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 599.
18. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 600.
19. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 601.
20. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 604.
21. (Reiterated) The nucleic acid molecule of claim 11, wherein said sequence is SEQ ID NO: 605.
22. (Reiterated) A substantially purified nucleic acid molecule according to claim 10, wherein said nucleic acid molecule comprises a nucleic acid sequence having between 100% and 95% identity with a sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, 605, and complements thereof.
23. (Reiterated) A substantially purified nucleic acid molecule consisting of a nucleic acid sequence selected from the group consisting of SEQ ID NOs: 586, 590, 594, 596, 597, 599, 600, 601, 604, and 605.